Patent Claims:

1. Piston-type accumulator, in particular low-pressure accumulator in a slip-controlled motor vehicle brake system, with an axially movable piston in a housing bore, with a seal interposed between the piston and the housing bore and being fixed inside the housing bore, and with a cover for closing the housing bore, c h a r a c t e r i z e d in that the housing bore (5), at its end closed by the cover (6), is designed as a stepped bore enlarged in diameter in which the seal (4) is fixed.

2. Piston-type accumulator as claimed in claim 1, c h a r a c t e r i z e d in that a first and a second bore step (1, 2) are arranged inside the stepped bore, and the diameter of the stepped bore in the area of the first bore step (1) corresponds to the inside diameter of the housing bore (5), while the inside diameter of the stepped bore in the area of the second bore step (2) is adapted to the outside diameter of the seal (4).

3. Piston-type accumulator as claimed in claim 1 or 2, c h a r a c t e r i z e d in that the stepped bore at the outside edge of the housing bore (5) is limited by a third bore step (3) which is formed by the plastic deformation of the housing material which fixes the cover (6) at the stepped bore.

4. Piston-type accumulator as claimed in claim 2, c h a r a c t e r i z e d in that a retaining part (7) is provided between the second and the third bore step (2, 3) in order to fix the seal (4) at the first bore step (1).

5. Piston-type accumulator as claimed in claim 4, c h a r a c t e r i z e d in that the retaining part (7) bears directly against the second bore step (2), and in that the seal (4) is covered by the retaining part (7) at least in part in the direction of the peripheral piston surface.

6. Piston-type accumulator as claimed in claim 4, c h a r a c t e r i z e d in that the retaining part (7) is configured as an annular washer which is pressed by a cover (6) that closes the housing bore (5) against the second bore step (2) and against the seal (4).

7. Piston-type accumulator as claimed in any one of claims 4 to 6, c h a r a c t e r i z e d in that the outside diameter of the retaining part (7) is adapted to the diameter of the stepped bore, and the inside diameter of the retaining part (7) is adapted to the outside diameter of a piston (8) guided in the housing bore (5).

8. Piston-type accumulator as claimed in claim 4, c h a r a c t e r i z e d in that the retaining part (7) is formed directly by the edge (9) of a cover (6) that closes the housing bore (5).

9. Piston-type accumulator as claimed in claim 8, c h a r a c t e r i z e d in that the edge (9) of the essentially bowl-shaped cover (6) is bent off at right angles in an outward direction in order to provide the contour of an annular washer and is covered outside by the plastically deformed housing material.

10. Piston-type accumulator as claimed in any one of the preceding claims, c h a r a c t e r i z e d in that the cover (6) is configured as a bowl that is preferably deepdrawn, the inside diameter of the bowl in the area of the edge (9) having a minimum clearance with regard to the outside diameter of the piston (8) in order to fix the seal (4).

11. Piston-type accumulator as claimed in claim 10, c h a r a c t e r i z e d in that in the working stroke area of the piston (8), the bowl has at least one portion (13) in the direction of the bowl bottom, the inside diameter of which is expanded like a funnel in the direction of the bowl bottom in order to allow a generously tolerated passage of the piston (8).